USER`S GUIDE

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PREFACE

About This Guide

This guide describes the monitor's features, setup, and operation. **Information in this document is subject to change without notice.**

The sections are as follows:

- Safety Instructions: lists safety information.
- Setup: describes the initial setup process.
- Using the Monitor: gives an overview of how to use the monitor.
- Drivers: provides driver installation instructions for Windows.
- Technical Support : provides tips and solutions for common problems.
- Product Information: lists the technical specifications of the monitor.
- Warranty Statement: Warranty Statement used in Europe.

National Conventions

The following subsections describe notational conventions used in this document.

Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, cautions, and warnings, and they are used as follows:

NOTE: A NOTE indicates important information that helps you make better use of your computer system.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem.

Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

Product Registration

Please link www.aoc.com, select your country or region, log in Product Registration to register .

SAFETY INTRODUCTION

FCC Notice

FCC Class B Radio Frequency Interference Statement WARNING: (FOR FCC CERTIFIED MODELS)

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

NOTICE :

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is theresponsibilities of the user to correct such interference.

WEEE Declaration

Disposal of Waste Equipment by Users in Private Household in the European Union.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste.Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment.The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product .

HG Declaration

SAFETY: Lamp Disposal

LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. FOR MORE INFORMATION, CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT **WWW.EIAE.ORG**.

Precautions

WARNING: Use of controls, adjustments, or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards, and/or mechanical hazards.

Read and follow these precautions when connecting and using your computer monitor:

PRECAUTIONS

- Do not use the monitor near water, e.g. near a bathtub, washbowl, kitchen sink, laundry tub, swimming pool or in a wet basement.
- Do not place the monitor on an unstable cart, stand, or table. If the monitor falls, it can injure a person and cause serious damage to the appliance. Use only a cart or stand recommended by the manufacturer or sold with the monitor. If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the monitor and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the monitor on a bed, sofa, rug, or similar surface. Do not place the monitor near or over a radiator or heat register. Do not place the monitor in a bookcase or cabinet unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
- Unplug the unit during a lightning storm or when it will not be used for long periods of time. This will protect the monitor from damage due to power surges.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- Never push any object into the slot on the monitor cabinet. It could short circuit parts causing a fire or electric shock. Never spill liquids on the monitor.
- Do not attempt to service the monitor yourself; opening or removing covers can expose you to dangerous voltages and other hazards. Please refer all servicing to qualified service personnel.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100 - 240V AC, Min. 5A.
- The wall socket shall be installed near the equipment and shall be easily accessible.
- For use only with the attached power adapter (Output 12Vdc) which have **UL,CSA** listed license(Only for monitors with power adapter).
- Please make sure to clean the cabinet regularly with the provided cloth , you can use soft-cleanser to clean the stain , instead of severe spray cleanser which will cauterize the monitor cabinet.
- Dont leak liquid into monitor which will result in the damage of chassis or component. Please unplug before cleaning ,and do not scratch the screen with hard things.

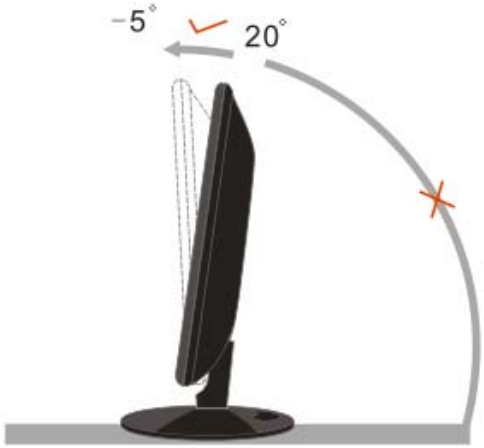
SETUP

Setup the stand and base

Please setup or remove the base following below steps.

Adjusting Viewing Angle

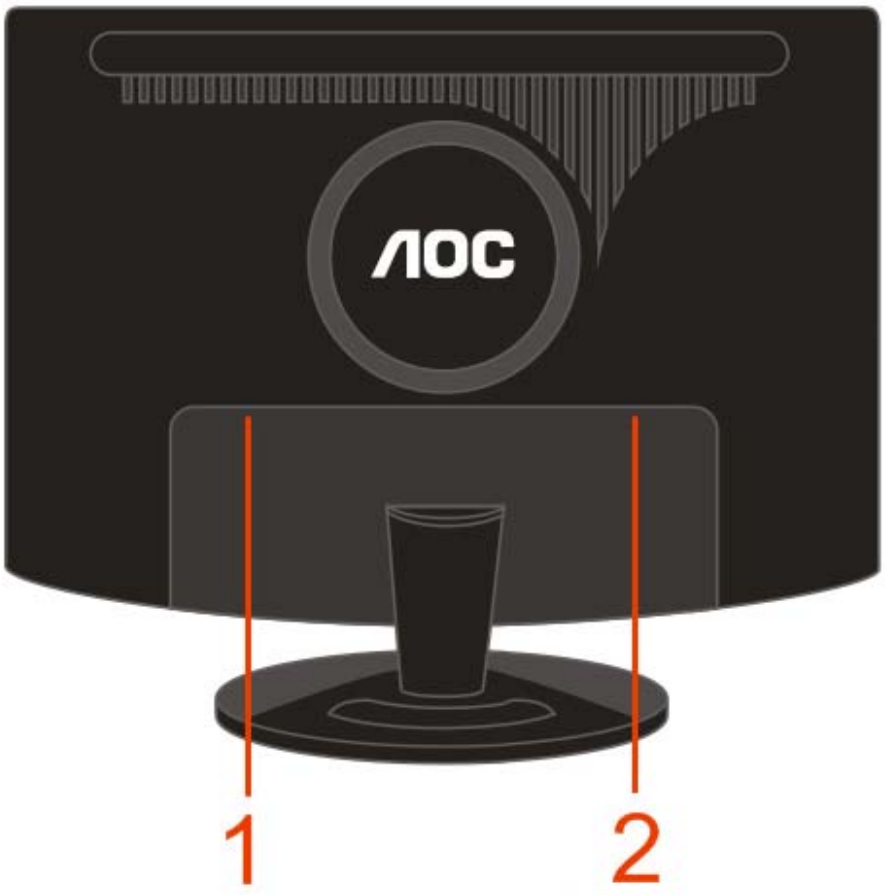
- For optimal viewing it is recommended to look at the full face of the monitor, then adjust the monitor's angle to your own preference.
- Hold the stand so you do not topple the monitor when you change the monitor's angle.
- You are able to adjust the monitor's angle from -5°to 20 °.



NOTE:
Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

Attaching the Cables

Cable Connections On Back of Monitor and Computer



1. Power
3. Analog

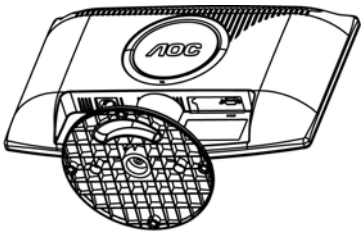
Turn off your computer before performing the procedure below.

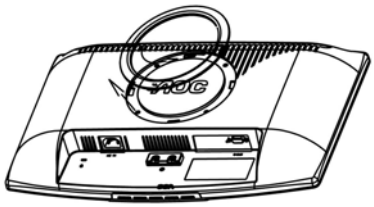
1. Connect the power cable to the AC port on the back of the monitor.
2. Connect one end of the 15-pin D-Sub cable to the back of the monitor and connect the other end to the computer's D-Sub port.
3. Turn on your monitor and computer.

If your monitor displays an image, installation is complete. If it does not display an image, see Troubleshooting.

Attaching Wall Mounting Arm

Preparing to Install An Optional Wall Mounting Arm





This monitor can be attached to a wall mounting arm you purchase separately. Disconnect power before this procedure. Follow these steps:

1. Remove the base.
2. Follow the manufacturer's instructions to assemble the wall mounting arm.
3. Place the wall mounting arm onto the back of the monitor. Line up the holes of the arm with the holes in the back of the monitor.
4. Insert the 4 screws into the holes and tighten.
5. Reconnect the cables. Refer to the user's manual that came with the optional wall mounting arm for instructions on attaching it to the wall.

Noted : VESA mounting screw holes are not available for all models, please check with the dealer or official department of AOC.

Distance between the wall-mount holes : 100 x 100 mm

Screw specification for wall-mount : M4 x 10

USING THE MONITOR

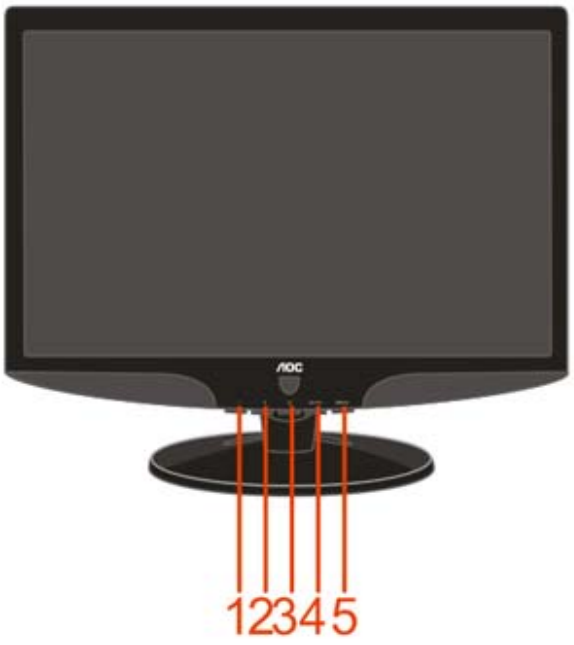
Setting the Optimal Resolution

The recommended resolution for this monitor is 1366 by 768. To setup the monitor to this resolution, follow the steps below.

1. Click **START**.
2. Click **SETTINGS**.
3. Click **CONTROL PANEL**.
4. Double click **DISPLAY**.
5. Click **SETTINGS**.
6. Set the resolution **SLIDE-BAR** to 1366 by 768.

External Controls

Press the power button to turn the monitor on or off. The other control knobs are located at front panel of the monitor (See Figure). By changing these settings, the picture can be adjusted to your personal preferences.
* The power cord should be connected.
* Press the power button to turn on the monitor. The power indicator will light up.



1 Eco mode (DCR) / -
2 4:3 or wide / +
3 Power
4 Auto / Exit
5 Menu / Enter

OSD Settings

- Press the MENU-button to activate the OSD window.
- Press+ or - to navigate through the functions. Once the desired function is highlighted, press the MENU-buttonto activate it.If the function selected has a sub-menu, press or again to navigate through the sub-menu functions.Once the desired function is highlighted, press MENU-button to activate it.
- Press+ or - to change the settings of the selected function. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.
- OSD Lock Function: To lock the OSD, press and hold the Menu button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the Menu button while the monitor is off and then press power button to turn the monitor on.
- Eco Mode and DCR hot key : Press the Eco key continuously to select the Eco mode of brightness and DCR on when there is no OSD (Eco mode hot key may not be available in all models).
- 4:3 or wide image ratio hot key: When there is no OSD, press + continuously to change 4:3 or wide image ratio. (If the product screen size is 4:3 or input signal resolution is wide format, the hot key is disalbe to adjust.)
- Auto configure hot key: When the OSD is closed, press Auto button will be auto configure hot key function .

DCB Adjustment

What is DCB?

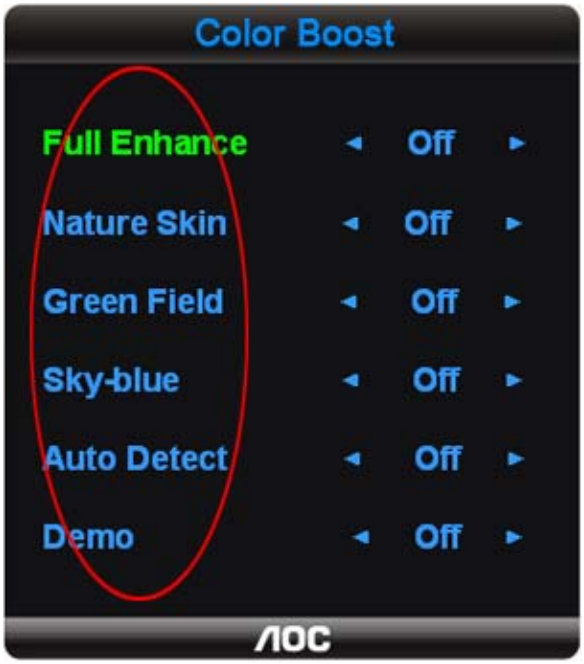
Dynamic Color Boost (DCB) is an advanced color adjustment technology. Through analyzing RGB signals, DCB creates more vivid and natural images to suit various color environment needs. DCB has two types of color enhancers: “Color

Boost” and “Picture Boost” .

DCC: Dynamic color control
ICM: Intelligent color management

1) How to use Color Boost?

Five color-enhancement settings: To accommodate various display needs, Color Boost also offers 5 different color enhancement modes: Full Enhance, Natural Skin, Green Field, Sky Blue, and Auto-Detect. Please go to the fourth icon labeled “Color Boost” in the OSD menu and select one of the five settings you desire to be turned on.



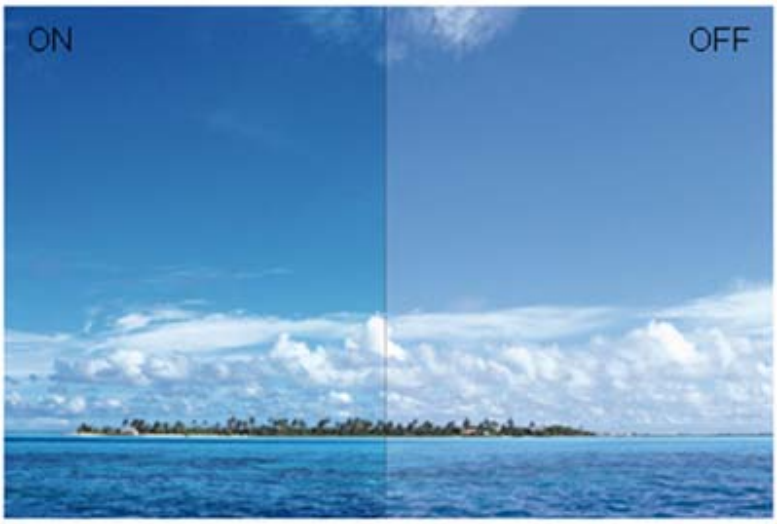
Full Enhance: When "Full Enhance" is turned on, the color saturation of the entire screen is fully enriched, thus all colors become more vibrant.

Nature Skin: When "Natural Skin" is turned on, the red and yellow colors are enriched automatically, thus presents human skin with more natural and truer colors. "Natural Skin" setting is ideal for viewing human portrait and detailed skin

texture.

Green Field: When "Green Field" is turned on, the green color is enriched so that football field and mountain landscape would look more natural and fresh. “Green Field” setting is ideal for watching mountain scenery and outdoor sports.

Sky Blue: When"Sky Blue" is turned on, the color blue is being fine-tuned so that the sky or ocean landscape will look more vivid and in-depth. "Sky Blue" setting is ideal for viewing sky and ocean images.

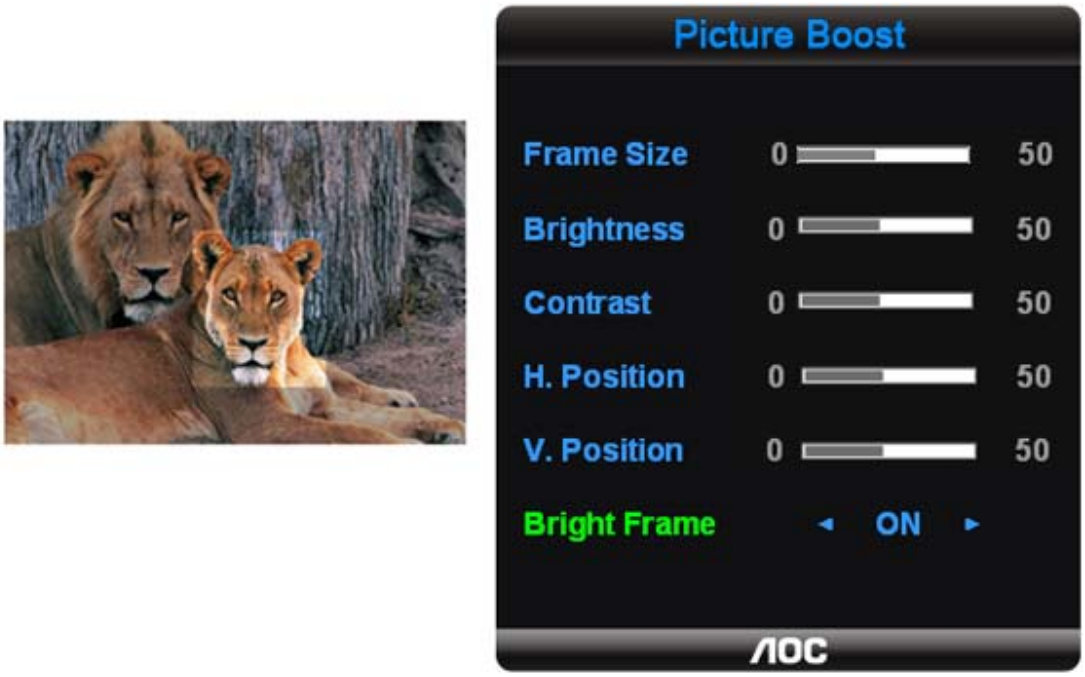


Auto Detect: When “Auto Detect” is turned on, every pigment will be detected and self-adjusted to render a lively picture.

Demo: Screen divided into two for demonstration purposes.

2) How to use Picture Boost?

Users can change the color settings of a self-selected zone on the screen. The size and position of the selected zone can also be adjusted. "Picture Boost" is located in the fifth icon labeled "Picture Boost" in the OSD menu. Turn on "Bright Frame" to select a zone on the screen to be enhanced. Please note when adjust or turn on any one of the DCB features, the rest of color settings including DCR will be disabled or return to default.



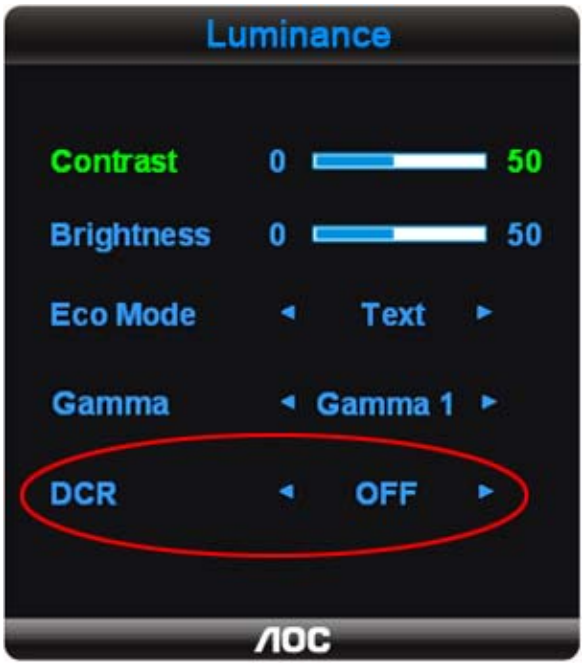
Disclaimer: *DCB aftereffects are subject to the resolution and quality of the display content, hence may look different than the above illustrations.*

DCR Adjustment

DCR 60000:1 Dynamic Contrast Ratio

What is DCR?
Dynamic Contrast Ratio (DCR) auto adjusts the brightness of the screen so users can see the darker areas of the displayed content in more depths. By increasing the darkness of the dark areas and the brightness of the bright areas, contrast ratio is uplifted to exceed 60,000:1. DCR value varies subject to the original CR values of the LCD module. The higher the original CR, the higher DCR can be achieved. DCR is great for watching movie or video contents.

How to Use DCR?
Go to the first OSD icon labeled "Luminance", turn on or off DCR as desires. DCR boosts the contrasts between lightness & darkness and enables the viewer to see more layers and details of the picture, especially in the darker areas. Please note when DCR is on, DCB will be disabled.



DCR Demos:

Disclaimer: *DCR aftereffects are subject to the resolution and quality of the display content, hence may look different than the above illustrations.*

Function Control Illustration

Luminance	Adjust Range		Description
Brightness	0-100		Backlight Adjustment
Contrast	0-100		Contrast from Digital-register.
Eco mode	Standard		Standard Mode
	Text		Text Mode
	Internet		Internet Mode
	Game		Game Mode
	Movie		Movie Mode
	Sports		Sports Mode
Gamma	Gamma1		Adjust to Gamma1
	Gamma2		Adjust to Gamma 2
	Gamma3		Adjust to Gamma 3
DCR	Off		Disable dynamic contrast ratio
	On		Enable dynamic contrast ratio
Image Setup			
Clock	0-100		Adjust picture Clock to reduce Vertical-Line noise.
Phase	0-100		Adjust Picture Phase to reduce Horizontal-Line noise
H.Position	0-100		Adjust the horizontal position of the picture.
V.Position	0-100		Adjust the verticalposition of the picture.

Color Temp.		
Warm	6500K	Recall Warm Color Temperature from EEPROM.
Normal	7300K	Recall Normal Color Temperature from EEPROM.
Cool	9300K	Recall Cool Color Temperature from EEPROM.
sRGB		Recall SRGB Color Temperature from EEPROM.
User	Red	Red Gain from Digital-register
	Green	Green Gain Digital-register.
	Blue	Blue Gain from Digital-register
Color Boost		
Full Enhance	on or off	Disable or Enable Full Enhance Mode
Nature Skin	on or off	Disable or Enable Nature Skin Mode
Green Field	on or off	Disable or Enable Green Field Mode
Sky-blue	on or off	Disable or Enable Sky-blue Mode
AutoDetect	on or off	Disable or Enable AutoDetect Mode
Demo	on or off	Disable or Enable Demo
Picture Boost		
Frame Size	14-100	Adjust Frame Size
Brightness	0-100	Adjust Frame Brightness
Contrast	0-100	Adjust Frame Contrast
H. position	0-100	Adjust Frame horizontal Position
V.position	0-100	Adjust Frame vertical Position
Bright Frame	on or off	Disable or Enable Bright Frame
OSD Setup		
H.Position	0-100	Adjust the horizontal position of OSD
V.Position	0-100	Adjust the vertical position of OSD
Timeout	5-120	Adjust the OSD Timeout
Transparence	0-100	Adjust the transparence of OSD
Language		Select the OSD language
Extra		
Input Select	Auto	Select to Auto Detect input signal
	Analog	Select Analog Sigal Source as Input
	Digital	Select Digital Sigal Source as Input
Auto Config	yes or no	Auto adjust the picture to default
Image Ratio	wide or 4:3	Select wide or 4:3 format for display
DDC-CI	yes or no	Turn ON/OFF DDC-CI Support
Information		Show the information of the main image and sub-image source

	Reset		
	Reset	yes or no	Reset the menu to default
	Exit		
	Exit		Exit the main OSD

Notes:
1)If the product has only one signal input, the item of "Input Select" is disable to adjust.
2)If the product screen size is 4:3 or input signal resolution is wide format, the item of "Image Ratio" is disalbe to adjust.
3)One of DCR, Color Boost, and Picture Boost functions is active, the other two function is turned off accordingly.

LED Indicators

Status	LED Color
Full Power Mode	Green or Blue
Active-off Mode	Orange or red

How to use i-Menu software

Installation
Welcome to use “i-Menu” software by AOC. i-Menu makes it easy to adjust your monitor display setting by menus on the screen instead of OSD button on the monitor. Please click **here** to setup the software. To complete installation , please follow the installation guide .

Using “i-Menu”
1. Luminance

Luminance		Adjust Range		Description
	Contrast	0-100		Contrast from Digital-register.
	Brightness	0-100		Backlight Adjustment
	Eco mode	Standard		Standard Mode
		Text		Text Mode
		Internet		Internet Mode
		Game		Game Mode
		Movie		Movie Mode
		Sports		Sports Mode
	Gamma	Gamma1		Adjust to Gamma1
		Gamma2		Adjust to Gamma 2
		Gamma3		Adjust to Gamma 3
	DCR	Off		Disable dynamic contrast ratio
		On		Enable dynamic contrast ratio
	Reset			Reset the current page

Remarks:
1) If DCR is set to “on”, the other 4 items of Luminance cannot be adjusted.
2) If anyone of DCR, Color Boost and Bright Frame of Picture Boost is set to “on”, the others are set to “off” automatically.
3) The Brightness and Contrast can be adjusted only when Eco-mode is on “standard mode”.

2. Image setup

Image Setup		Adjust Range	Description
	Clock	0-100	Adjust picture Clock to reduce Vertical-Line noise.
	Phase	0-100	Adjust Picture Phase to reduce Horizontal-Line noise
	H.Position	0-100	Adjust the verticalposition of the picture.
	V.Position	0-100	Adjust the horizontal position of the picture.
	Reset		Reset the current page

3. Color Temperature

Color Temp.	Adjust Range	Description
Preset	Warm	Recall Warm Color Temperature from EEPROM.
	Normal	Recall Normal Color Temperature from EEPROM.
	Cool	Recall Cool Color Temperature from EEPROM.
	sRGB	Recall SRGB Color Temperature from EEPROM.
User	Red	Red Gain from Digital-register
	Green	Green Gain Digital-register.
	Blue	Blue Gain from Digital-register
	Reset	Reset the current page

Remarks:
1) When “User” is chosen, you can change the monitor color to your desired color by setting the value of R-G-B.
2) When “sRGB” is chosen, the Brightness, Contrast and Gamma can not be adjusted.

4. Color Boost

Color Boost		Adjust Range	Description
	Full Enhance	on or off	Disable or Enable Full Enhance Mode
	Nature Skin	on or off	Disable or Enable Nature Skin Mode
	Green Field	on or off	Disable or Enable Green Field Mode
	Sky-blue	on or off	Disable or Enable Sky-blue Mode
	AutoDetect	on or off	Disable or Enable AutoDetect Mode
	Demo		Disable or Enable Demo
	Reset		Reset the current page

Remarks:
1) There is only one item can be set to “on” except Demo. If you set any item to “on”, the others are changed to “off” automatically.
2) If anyone of DCR, Color Boost and Bright Frame of Picture Boost is set to “on”, the others are set to “off” automatically.

5. Picture Boost

Picture Boost		Adjust Range	Description
	Bright Frame	on or off	Disable or Enable Bright Frame
	Frame Size	14-100	Adjust Frame Size
	Brightness	0-100	Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
	H. position	0-100	Adjust Frame horizontal Position
	V.position	0-100	Adjust Frame vertical Position
	Reset		Reset the current page

Remarks:
1) Only when Bright Frame is set to “on”, the other 5 items can be adjusted.
2) If anyone of DCR, Color Boost and Bright Frame of Picture Boost is set to “on”, the others are set to “off” automatically.

6. Setting

Setting	Adjust Range	Description
Auto on	on or off	Sets auto run when system stars
Display mode	on or off	Enable or Disable to show pattern when adjusting
Shows hints	on or off	Enable or Disable to show alerts and hints
Turn on hotkeys	on or off	Enable or Disable hotkeys for pivot functions
Auto Pivot	on or off	Enable or Disable Auto Pivot function (applies to monitors with Pivot function only)
Program language		Select the programm language
configuration files	Save or delete	Save or delete configuration files

7. Extra

Extra		Adjust Range	Description
	Pivot	0, 90, 180, 270 degree	Select to pivot image (applies to monitors with Pivot function only)
	Reset	yes or no	Reset the monitor settings to the factory defaults
	Re-Scan	yes or no	To re-scan Plug and Play monitor
	Best resolution		Select display resolution from preset mode
	Auto Config	yes or no	Auto adjust the picture to default

8. Help

On this page, you can find the information of the monitor . Welcome to link our website and send email to us if you have any problem.

Compatibility :
i-Menu supports major graphic cards of ATI, Nvidia, Intel, VIA(S3). Please contact with us if your graphic card was not supported i-Menu software.

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DRIVER INSTALLATION GUIDE

Windows 2000

1. Start Windows® 2000
2. Click on the 'Start' button, point to 'Settings', and then click on 'Control Panel'.
3. Double click on the 'Display' Icon.
4. Select the 'Settings' tab then click on 'Advanced...'.
5. Select 'Monitor'

- If the 'Properties' button is inactive, it means your monitor is properly configured. Please stop installation.
- If the 'Properties' button is active. Click on 'Properties' button. Please follow the steps given below.

6. Click on 'Driver' and then click on 'Update Driver...' then click on the 'Next' button.
7. Select 'Display a list of the known drivers for this device so that I can choose a specific driver', then click on 'Next' and then click on 'Have disk...'.
8. Click on the 'Browse...' button then select the appropriate drive F: (CD-ROM Drive).
9. Click on the 'Open' button, then click on the 'OK' button.
10. Select your monitor model and click on the 'Next' button.
11. Click on the 'Finish' button then the 'Close' button.

If you can see the 'Digital Signature Not Found' window, click on the 'Yes' button.

Windows ME

1. Start Windows® Me
2. Click on the 'Start' button, point to 'Settings', and then click on 'Control Panel'.
3. Double click on the 'Display' Icon.
4. Select the 'Settings' tab then click on 'Advanced...'.
5. Select the 'Monitor' button, then click on 'Change...' button.
6. Select 'Specify the location of the driver(Advanced)' and click on the 'Next' button.
7. Select 'Display a list of all the drivers in a specific location, so you can choose the driver you want', then click on 'Next' and then click on 'Have Disk...'.
8. Click on the 'Browse...' button, select the appropriate drive F: (CD-ROM Drive) then click on the 'OK' button.
9. Click on the 'OK' button, select your monitor model and click on the 'Next' button.
10. Click on 'Finish' button then the 'Close' button.

Windows XP

1. Start Windows® XP
2. Click on the 'Start' button and then click on 'Control Panel'.
3. Select and click on the category 'Printers and Other Hardware'
4. Click on the 'Display' Item.
5. Select the 'Settings' tab then click on the 'Advanced' button.
6. Select 'Monitor' tab

- If the 'Properties' button is inactive, it means your monitor is properly configured. Please stop installation.
- If the 'Properties' button is active, click on 'Properties' button.

Please follow the steps below.

7. Click on the 'Driver' tab and then click on 'Update Driver...' button.
8. Select the 'Install from a list or specific location [advanced]' radio button and then click on the 'Next' button.
9. Select the 'Don't Search. I will choose the driver to install' radio button. Then click on the 'Next' button.
10. Click on the 'Have disk...' button, then click on the 'Browse...' button and then select the appropriate drive F: (CD-ROM Drive).
11. Click on the 'Open' button, then click the 'OK' button.
12. Select your monitor model and click on the 'Next' button.

- If you can see the 'has not passed Windows® Logo testing to verify its compatibility with Windows® XP' message, please click on the 'Continue Anyway' button.

13. Click on the 'Finish' button then the 'Close' button.

14. Click on the 'OK' button and then the 'OK' button again to close the Display_Properties dialog box.

Windows Vista

1. Start Windows® Vista
2. Click the Start button; select and click on 'Control Panel'.
3. Select and click on 'Hardware and Sound'
4. Choose 'Device Manager' and Click on 'Update device drivers'.
5. Select 'Monitor' and then right click on 'Generic PnP Monitor'.
6. Click on 'Update Driver Software'.
7. Select 'Browse my computer for driver software'.
8. Click the 'Browse'button and choose the drive in which you've placed the disk. Example:(CD-ROM Drive:\\Lcd\PC\drivers\).
9. Click the 'Next' button.
10. Wait few minutes for installing the driver, and then click 'Close' button.

TECHNICAL SUPPORT

Frequently Asked Questions

Problem & Question	Possible Solutions
Power LED Is Not ON	• Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor.
No Plug & Play	• In order for the Plug & Play feature of the monitor to work, you need a Plug & Play compatible computer & video card. Check with your computer manufacturer. Also check the monitor's video cable and make sure none of the pins are bent. • Make sure the AOC Monitor Drivers are installed (AOC Monitor Drivers are available at : http://www.aoc.com)
Picture Is Fuzzy & Has Ghosting Shadowing Problem	• Adjust the Contrast and Brightness Controls. • Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back of your computer.
Picture Bounces, Flickers Or Wave Pattern Is Present In The Picture	• Move electrical devices that may cause electrical interference as far away from the monitor as possible. • Use the maximum refresh rate your monitor is capable of at the resolution your are using.
Monitor Is Stuck In Active Off-Mode"	• The Computer Power Switch should be in the ON position. • The Computer Video Card should be snugly seated in its slot. • Make sure the monitor's video cable is properly connected to the computer. • Inspect the monitor's video cable and make sure none of the pins are bent. • Make sure your computer is operational by hitting the CAPS LOCK key on the keyboard while observing the CAPS LOCK LED. The LED should either turn ON or OFF after hitting the CAPS LOCK key.
Missing one of the primary colors (RED, GREEN, or BLUE)	• Inspect the monitor's video cable and make sure that none of the pins arebent. • Make sure the monitor's video cable is properly connected to the computer.
Screen image is not centered or sized properly	• Adjust H-Position and V-Position or press hot-key (AUTO).

Picture has color defects (white does not look white)	• Adjust RGB color or select color temperature
Horizontal or vertical disturbances on the screen	• Use win 95/98/2000/ME/XP shut-down mode Adjust CLOCK and FOCUS or perform hot-key (AUTO-key)

PRODUCT INFORMATION

Specifications

LCD Panel	Model number	931Sn
	Driving system	TFT Color LCD
	Viewable Image Size	470mm diagonal
	Pixel pitch	0.3mm(H) x 0.3mm(V)
	Video	R, G, B Analog Interface
	Separate Sync.	H/V TTL
	Display Color	16.7M Colors
	Dot Clock	85.5 MHz
	Horizontal scan range	30 kHz - 80 kHz
	Horizontal scan Size(Maximum)	409.8mm
	Vertical scan range	55 Hz - 75 Hz
	Vertical scan Size(Maximum)	230.4mm
Resolution	Optimal preset resolution	1366 x 768 (60 Hz)
	Highest preset resolution	1366 x 768 (60 Hz)
	Plug & Play	VESA DDC2B/CI
	Input Connector	D-Sub 15pin
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM
	Power Source	100~240VAC, 50/60Hz
	Power Consumption	Active < 25 W Standby < 1 W
	Connector Type	15-pin Mini D-Sub
	Signal Cable Type	Detachable
Physical Characteristics	Dimensions & Weight:	
	Height (with base)	357.9 mm
	Width	455.2 mm

	Depth	219.7 mm
	Weight (monitor only)	3.89 kg
	Weight (with packaging)	5.26 kg
	Temperature:	
	Operating	0° to 50°
	Non-Operating	-20°to 60°
	Humidity:	
Environmental	Operating	10% to 85% (non-condensing)
	Non-Operating	5% to 80% (non-condensing)
	Altitude:	
	Operating	0~ 3000m (0~ 10000 ft)
	Non-Operating	0~ 5000m (0~ 15000 ft)

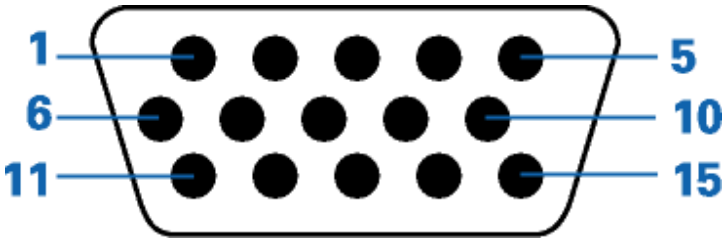
EPA ENERGY STAR ®

ENERGY STAR® is a U.S. registered mark. As an ENERGY STAR® Partner, AOC International (Europe) GmbH and Envision Peripherals, Inc. have determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Preset Display Modes

STAND	RESOLUTION	HORIZONTAL FREQUENCY(kHZ)	VERTICAL FREQUENCY(Hz)
VGA	640 x 480 @60Hz	31.469	59.940
VGA	640 x 480 @67Hz	35.000	66.667
VGA	640 x 480 @72Hz	37.861	72.809
VGA	640 x 480 @75Hz	37.500	75.000
Dos-mode	720 x 400 @70Hz	31.469	70.087
SVGA	800 x 600 @56Hz	35.156	56.250
SVGA	800 x 600 @60Hz	37.879	60.317
SVGA	800 x 600 @72Hz	48.077	72.188
SVGA	800 x 600 @75Hz	46.875	75.000
Mac-mode	832 x 624 @75Hz	49.725	74.500
XGA	1024 x 768 @60Hz	48.363	60.004
XGA	1024 x 768 @70Hz	56.476	70.069
XGA	1024 x 768 @72Hz	57.500	72.074
XGA	1024 x 768 @75Hz	60.023	75.029
WSXGA	1366 x 768 @60Hz	59.856	47.765

Pin Assignments



Pin Number	15-Pin Side of the Signal Cable
1	Video-Red
2	Video-Green
3	Video-Blue
4	N.C.
5	Detect Cable
6	GND-R
7	GND-G
8	GND-B
9	+5V
10	Ground
11	N.C.
12	DDC-Serial data
13	H-sync
14	V-sync
15	DDC-Serial clock

Plug and Play

Plug & Play DDC2B Feature

This monitor is equipped with VESA DDC2B capabilities according to the VESA DDC STANDARD. It allows the monitor to inform the host system of its identity and, depending on the level of DDC used, communicate additional information about its display capabilities.

The DDC2B is a bi-directional data channel based on the I^2C protocol. The host can request EDID information over the DDC2B channel.